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(54) Title: CHEMICALLY-STABILIZED CHLORITE SOLUTIONS FOR TREATING CANCER

(57) Abstract: Methods of using a stabilized chlorite matrix to modulate immune responses and treat cancer are disclosed. The stabilized chlorite matrix, when administered to a mammal in need thereof, can activate immune cells in a manner similar to interferon gamma but does not effect the production of inflammatory and shock related cytokines like tumor necrosis alpha. The stabilized chlorite matrix also upregulates the expression of the DCC protein in macrophages, a protein whose expression is related to neoplastic transformation. By activating macrophages, the stabilized chlorite matrix therefore is useful as an immunomodulatory agent and in treating cancer.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K33/40 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, CHEM ABS Data, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 200 156 A (OXO CHEMIE GMBH) 5 November 1986 (1986-11-05) abstract the whole document ---	1-7
A	EP 0 200 157 A (OXO CHEMIE GMBH) 5 November 1986 (1986-11-05) abstract ---	1-7
X	WO 99 17787 A (OXO CHEMIE AG) 15 April 1999 (1999-04-15) cited in the application abstract; claim 26; example 6 ---	1-7 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
15 March 2001	21/03/2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Gonzalez Ramon, N

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 00 48940 A (WANNOIUS KLAUS JUERGEN ;STAHL KURT WILHELM (DE)) 24 August 2000 (2000-08-24) abstract; claims 14-18; table 2 page 18, line 5-10 -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

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